

# ANIRUDH SUDHIR

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Github: <https://github.com/anirudhsudhir>

## EDUCATION

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### Bachelor of Technology, Computer Science

2023 - 2027

PES University - CGPA: 9.86

Bangalore, India

Awarded the MRD scholarship for one semester for academic excellence.

## SKILLS

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**Languages** Go, Rust, C, Python, SQL, HTML, CSS

**Technologies** Git, Github, MySQL, SQLite

## EXPERIENCE

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### Developer

Mar 2024 - Apr 2024

ACM Industrial Experience Program

- The ACM Industrial Experience Program is an annual mentorship program, where the development pipeline used in the industry is emulated for a variety of projects.
- Worked on [anna](#), a static site generator written in Go and collaborated on various features such as collections, tags, search index generator, profiling and live reload.
- Co-led a TDD-backed rebuild of the project to improve performance and maintainability.

### Technical Mentor

Oct 2023 - Present

HSP - Hackerspace PESU ECC

- Assisted in the organisation and conduction of various workshops and events held by HSP, a student-run developer community with an open-source wing.
- Delivered talks on the projects [Qapture](#) and [anna](#) at the HSP Mentor Expo and Fireside Talks respectively.

### Member

Sep 2023 - Present

ACM PESU ECC

- Assisted in the conduction of events at the student chapter of the ACM at PES University Electronic City Campus.

## PROJECTS

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**Anna:** Anna is a highly performant static site generator written in Go with parallel rendering, live reload and several other features. It can render a site with over 1000 markdown files in less than 300ms.

**Spidey:** A concurrent web crawler written in Go, capable of extremely fast crawl rates. It has a consistent crawl rate of over 10,000 links per minute. On one test, Spidey discovered 16,000 links in a minute.

**Bingo:** Bingo is a Golang-based pastebin featuring middleware, dependency injection, sessions and data persistence to a MySQL database. It utilises Go's default templating engine to perform server-side rendering of the site.

**Qapture:** Qapture is a C-based command line tool to recover deleted JPEGs from a forensic RAW image. It uses JPEG file markers to extract the image content with minimal loss of metadata.

**Hermes:** Hermes is a concurrent web server written in Rust, with a simple thread pool implementation and graceful shutdown.

**Sqlite:** A partial clone of SQLite written in C. It reads and writes entries to a pre-defined table, along with reading and flushing of data to disk.